

AMENDMENTS TO THE CLAIMS

1. - 26. (Cancelled).

27. (Currently Amended) The An isolated and purified MANF2 polypeptide ~~of claim 7,~~
~~which comprises~~ comprising the entire amino acid sequence of SEQ ID NO:2.

28. (Currently Amended) The An isolated and purified MANF2 polypeptide ~~of claim 7,~~
~~which consists~~ consisting of amino acids 27-187 of the amino acid sequence of SEQ ID NO:2

29. (Currently Amended) A method of ~~producing~~ expressing a full length MANF2
polypeptide ~~according to claim 27~~ comprising amino acids 1-187 of SEQ ID NO:2, said method
comprising:

culturing a host cell comprising a polynucleotide encoding said full length MANF2
polypeptide operably associated with a promoter sequence such that the nucleic acid sequence
encoding said polypeptide is expressed; ~~and~~

~~isolating said polypeptide from said host cell or from a growth medium in which said~~
~~host cell is cultured.~~

30. **(Currently Amended)** A method of producing a mature MANF2 polypeptide ~~according to claim 28~~ consisting of amino acids 27-187 of SEQ ID NO:2, said method comprising:

culturing a host cell comprising a polynucleotide encoding ~~said polypeptide~~ SEQ ID NO:2 operably associated with a promoter sequence such that ~~the nucleic acid sequence encoding said polypeptide~~ a polypeptide comprising SEQ ID NO:2 is expressed;

cleaving amino acids 1-26 of said expressed protein to obtain said mature MANF2 polypeptide; and

isolating said mature polypeptide from said host cell or from a growth medium in which said host cell is cultured.